





30 The nesting habits of four types of birds are described in the table below.

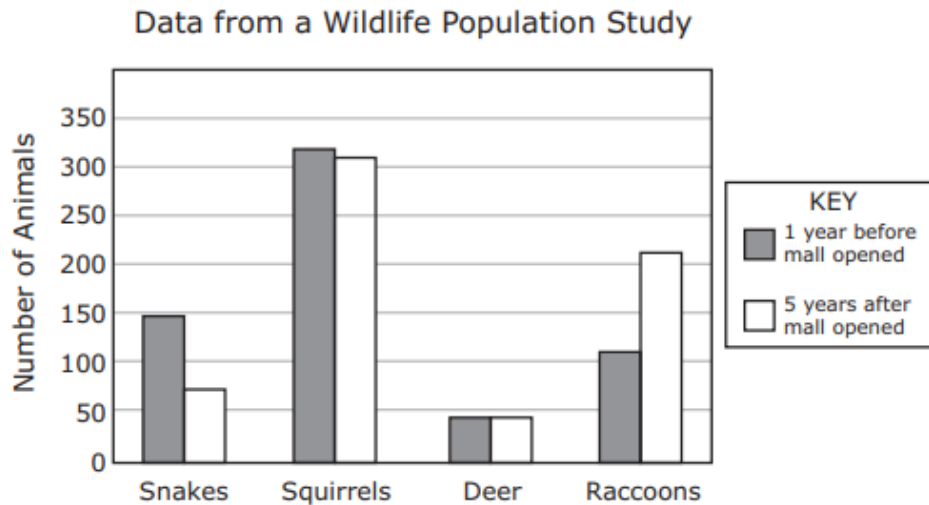
Nesting Habits

Type of Bird	Nest Description
 Baltimore oriole	The nest hangs from thin branches in tall trees.
 Barn swallow	The nest is attached under the roof of a house or barn.
 Downy woodpecker	The nest is dug into rotting or decaying trees.
 Belted kingfisher	The nest is built in tunnels or burrows.

If all the dead branches and dying trees in a wooded area are removed, which bird's nesting habit would be most affected?

- F Baltimore oriole
- G Barn swallow
- H Downy woodpecker
- J Belted kingfisher

- 41** Data for four animal populations in a wooded area were collected before and after a shopping mall was constructed near the area. The graph shows changes in the populations.



Which animal's food sources most likely increased after the mall opened?

- A** Snakes, squirrels, and raccoons
  - B** Squirrels only
  - C** Snakes, squirrels, and deer
  - D** Raccoons only
- 43** Wild Texas hogs, similar to the one shown below, are descended from hogs brought here from other countries.



These wild hogs eat many different kinds of foods, including plants, fungi, and insects. Besides being very destructive to the habitats of other animals, how do wild hogs most likely harm other animals?

- A** By competing with other animals for food
- B** By moving slower than most other animals
- C** By causing other animals to reproduce more
- D** By eating foods that no other animals eat

- 25** Prairie dogs eat plants and dig underground tunnels. Prairie dog tunnels help break up hard prairie soils, and the animals' waste adds nutrients to the soil. In the past, large groups of prairie dogs lived in many parts of the U.S. Great Plains, but people have destroyed most of these colonies.



Which of these will most likely happen when prairie dogs are removed from an area?

- A** The population of predators that eat prairie dogs will decrease.
  - B** The population of plants that prairie dogs eat will decrease.
  - C** The nutrients in the soil will increase.
  - D** The number of underground tunnels will increase.
- 2** Fertilizers used on farms near the coast can be carried to the ocean when runoff occurs during rain showers. These fertilizers can decrease the populations of fish and shellfish.

Which other populations most likely decrease as a result?

- F** Organisms that eat algae
- G** Organisms that live on farms
- H** Organisms that eat fish and shellfish
- J** All of these

**28** Which effect would most likely occur if a six-lane highway were built through an ecosystem?

- F** Competition for resources would be reduced.
- G** Habitats available to animals would be reduced.
- H** Air pollution would decrease.
- J** Water pollution would decrease.

**36** The picture below shows a type of plant called kudzu. Kudzu is a fast-growing Asian vine that was introduced into the United States. Kudzu quickly uses available resources and can completely cover the plants in an area.



What effect does the rapid growth of kudzu most likely have on an ecosystem?

- F** The variety of native plants decreases.
  - G** The water supply in the area increases.
  - H** Weather patterns in the area change.
  - J** The number of other plants increases.
- 35** Crested floating heart is a non-native plant that now grows in Texas. This plant grows very fast and can spread over the entire surface of a pond or lake.
- Which effect will most likely occur when crested floating heart covers a lake?
- A** Small fish will have fewer places to hide from predators.
  - B** Less sunlight will reach the plants that grow underwater.
  - C** Several new trees will grow along the lake shore.
  - D** Deer will have to find another source of water.